

# REGULAR MAINTENANCE INSPECTION — Every 12,500 Miles All 1978 Models (With additional work at 37,500)



<p>Customer: _____</p> <p>Address: _____</p> <p>City &amp; State: _____</p> <p>Zip Code or Province: _____</p>	<p>Work Order No.: _____</p> <p>License No.: _____</p> <p>Mileage: _____</p> <p>Time Promised: _____</p>												
<p><b>Maintenance Work to be Performed:</b></p> <p><input type="checkbox"/> MB Maintenance Service with oil change and oil filter service. Oil: Brand-Viscosity _____</p> <p><b>Additional Maintenance Work to be Performed Every 37,500 Miles:</b></p> <p><input type="checkbox"/> Radiator Coolant: _____ °F FILL/DRAIN/CHECK. Add rust inhibitor.</p> <p><input type="checkbox"/> Drain and renew brake fluid. (once a year, preferably in Spring). Use only specified brake fluid.</p> <p><b>M-E (Individual Maintenance Jobs Performed as Needed:</b></p> <p><input type="checkbox"/> Section I. Lubrication Service Engine oil change with oil filter service. Oil: Brand-Viscosity _____</p> <p><input type="checkbox"/> Section II. Engine Testing; Engine maintenance.</p> <p><input type="checkbox"/> Section III: Safety Inspection.</p>	<p><b>Special Maintenance Work Performed at Extra Cost:</b></p> <p><input type="checkbox"/> Sliding Roof: Clean guide channels and lubricate lightly.</p> <p><input type="checkbox"/> Lighting System: Check headlights and aim.</p> <p><input type="checkbox"/> Battery: Clean housing and terminals; grease terminals lightly.</p> <p><input type="checkbox"/> Car wash.</p> <p><input type="checkbox"/> Wax and Polish.</p> <p><input type="checkbox"/> Clean Engine and Engine Compartment: lubricate all control linkages.</p> <p><input type="checkbox"/> Once a year renew brake fluid.</p> <p><input type="checkbox"/> Every other year renew antifreeze.</p> <p><b>Special Instructions from Customer:</b></p> <p>_____</p> <p>_____</p> <p>_____</p>												
<p><b>Visual Inspection: Check For Leakage and General Condition.</b></p> <table style="width:100%;"> <tr> <td><input type="checkbox"/> Engine</td> <td><input type="checkbox"/> Rear Axle</td> <td><input type="checkbox"/> Front Axle</td> <td><input type="checkbox"/> Undercarriage</td> </tr> <tr> <td><input type="checkbox"/> Steering</td> <td><input type="checkbox"/> Brakes</td> <td><input type="checkbox"/> Tires</td> <td><input type="checkbox"/> Body Condition</td> </tr> <tr> <td><input type="checkbox"/> Transmission</td> <td><input type="checkbox"/> Shock Absorbers</td> <td><input type="checkbox"/> Exhaust System</td> <td></td> </tr> </table> <p><b>Result:</b> _____</p>		<input type="checkbox"/> Engine	<input type="checkbox"/> Rear Axle	<input type="checkbox"/> Front Axle	<input type="checkbox"/> Undercarriage	<input type="checkbox"/> Steering	<input type="checkbox"/> Brakes	<input type="checkbox"/> Tires	<input type="checkbox"/> Body Condition	<input type="checkbox"/> Transmission	<input type="checkbox"/> Shock Absorbers	<input type="checkbox"/> Exhaust System	
<input type="checkbox"/> Engine	<input type="checkbox"/> Rear Axle	<input type="checkbox"/> Front Axle	<input type="checkbox"/> Undercarriage										
<input type="checkbox"/> Steering	<input type="checkbox"/> Brakes	<input type="checkbox"/> Tires	<input type="checkbox"/> Body Condition										
<input type="checkbox"/> Transmission	<input type="checkbox"/> Shock Absorbers	<input type="checkbox"/> Exhaust System											

## Section I: Lubrication Service with Oil Filter Change

240D-300D-300CD  
 230  
 280E-280CE  
 280 SE  
 450-All  
 6.9

☐ ☐ ☐ ☐ ☐ ☐ Oil Change  
151 Engine oil with filter change.

☐ ☐ ☐ ☐ ☐ ☐ Inspection for Leaks and Condition  
038 Heating & cooling system.

240D-300D-300CD  
 230  
 280E-280CE  
 280 SE  
 450-All  
 6.9

☐ ☐ ☐ ☐ ☐ ☐ 041 Fuel hoses and pipes.  
045 Clutch operating mechanism  
(240 D only).

☐ 086 Hydropneumatic springs.

(continued)

## Section I: Lubrication Service with Oil Filter Change

240D-300D-300CD  
230  
280E-280CE  
280 SE  
450-All  
6.9

### Check Fluid Level and Replenish

(Check for leakage).

- |                          |                          |                          |                          |                          |                          |                          |                                       |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---------------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 120 Automatic transmission.           |
| <input type="checkbox"/> |                          |                          |                          |                          |                          |                          | 121 Manual transmission (240 D only). |
|                          |                          |                          |                          |                          |                          | <input type="checkbox"/> | 139 Hydropneumatic system.            |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 130 Rear axle.                        |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 134 Power steering.                   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 465 Windshield washer system.         |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 484 Air conditioning.                 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 700 Brake system.                     |
|                          | <input type="checkbox"/> |                          |                          |                          |                          |                          | 788 Stromberg carburetor.             |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 821 Battery.                          |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 990 Radiator.                         |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 350 Door hinges.                      |

240D-300D-300CD  
230  
280E-280CE  
280 SE  
450-All  
6.9

### Body and Chassis Lubrication

- |                          |                          |                          |                          |                          |                          |   |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 393 Door locks and hinges.  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 395 Hood.   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 375 Outside rear view mirror.   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 415 Engine control linkages, control  |
|                          |                          |                          |                          |                          |                          | 813 shafts and cables (not required on control shafts with plastic bearings). |
- Use only the following factory-recommended hydraulic oils: BP Hydraulic 1; Castrol DB Hydraulic Fluid; Esso Univers J-43; Mobile Aero HFA; Shell Aero Fluid 4.

## Section II: Electronic Engine Test and Engine Maintenance

240D-300D-300CD  
230  
280E-280CE  
280 SE  
450-All  
6.9

### Mechanical

- |                          |                          |                          |                          |                          |   |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                          | 753 Adjust valve clearances.  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 202 Clean Filter element; replace every 37,500 miles.   |
|                          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 762 Clean flame arrester.   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 757 Check all drive belt tension and condition.   |
|                          | <input type="checkbox"/> |                          |                          |                          | 785 Exhaust manifold heater flap. Check for free movement and free up as required. (Engine M 115 only). |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 770 Replace spark plugs.  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 772 Check ignition timing and ignition change-over.   |

240D-300D-300CD  
230  
280E-280CE  
280 SE  
450-All  
6.9

- |                          |                          |                          |                          |                          |   |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---|
| <input type="checkbox"/> |                          |                          |                          |                          | 787 Check start of delivery.  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 813 Throttle control linkage: check for ease of movement.   |
|                          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 832 Analyze engine with oscilloscope.   |
| <input type="checkbox"/> |                          |                          |                          |                          | 797 Check and adjust engine idle speed control.   |
|                          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 798 Carburetor and injection engines, check idle adjustment with C.O. tester. Check throttle lift (carburetor engines). |
| <input type="checkbox"/> |                          |                          |                          |                          | 895 Check alternator fastening bolt for tightness.  |

## Section III: Safety Check

240D-300D-300CD  
230  
280E-280CE  
280 SE  
450-All  
6.9

- ☐ ☐ ☐ ☐ ☐ ☐ 025 Steering system: check steering coupling for wear and clamping screws for tightness. Check for excessive wear in the system.
- ☐ ☐ ☐ ☐ ☐ ☐ 983 Wheels: remove and reinstall. Check wheel disc for condition. Check inner rim for dirt accumulation.
- ☐ ☐ ☐ ☐ ☐ ☐ 982 Tires: check tire tread wear and other tire damage.
- ☐ ☐ ☐ ☐ ☐ ☐ 987 Correct tire air pressure.
- ☐ ☐ ☐ ☐ ☐ ☐ 712 Check disc brakes (includes items 703, 707, 708, 709.) Measure brake disc thickness. Brake calipers: check for leaks and free movement of pistons (703). Brake pads: remove, clean, check, replace if required (707). Brake discs: check condition, clean cooling fins (708). Brake discs (solid): check condition, clean (709).
- ☐ ☐ ☐ ☐ ☐ ☐ 009 Parking brake: Check brake cable action.
- ☐ ☐ ☐ ☐ ☐ ☐ 706 Parking brake: re-adjust.
- ☐ ☐ ☐ ☐ ☐ ☐ 028 Maintenance free joints for front axle: check for sealing and condition of steering joint sealing collars.
- ☐ ☐ ☐ ☐ ☐ ☐ 029 Steering: check for sealing and condition of sealing collars and steering rods.

240D-300D-300CD  
230  
280E-280CE  
280 SE  
450-All  
6.9

- ☐ ☐ ☐ ☐ ☐ ☐ Retightening of Nuts, Bolts, and Retaining Parts
- ☐ ☐ ☐ ☐ ☐ ☐ 924 Steering gear mounting screws (3).
- ☐ ☐ ☐ ☐ ☐ ☐ 988 Wheel bolts.
- ☐ ☐ ☐ ☐ ☐ ☐ 099 Check function of:
- ☐ ☐ ☐ ☐ ☐ ☐ Headlight, rear lights and stop light.
- ☐ ☐ ☐ ☐ ☐ ☐ Directional signals: Hazard warning lights.
- ☐ ☐ ☐ ☐ ☐ ☐ Windshield wiper, windshield washer.
- ☐ ☐ ☐ ☐ ☐ ☐ Heating and ventilation.
- ☐ ☐ ☐ ☐ ☐ ☐ 098 Road test of dynamometer
- ☐ ☐ ☐ ☐ ☐ ☐ Clutch.
- ☐ ☐ ☐ ☐ ☐ ☐ Manual transmission.
- ☐ ☐ ☐ ☐ ☐ ☐ Automatic transmission.
- ☐ ☐ ☐ ☐ ☐ ☐ Air conditioner.
- ☐ ☐ ☐ ☐ ☐ ☐ 097 Brake test on test stand/road.
- ☐ ☐ ☐ ☐ ☐ ☐ 020 Check boots and seals on hydropneumatic springs.

▼ Tire tread depth and brake performance

Front—Left		Front—Right	
IN.	KP	IN.	KP
Rear—Left		Rear—Right	
IN.	KP	IN.	KP

## Maintenance — Additional Maintenance Work to be Performed Every 37,500 Miles

240D-300D-300CD  
230  
280E-280CE  
280 SE  
450-All  
6.9

- ☐ ☐ ☐ ☐ ☐ ☐ Oil Change
- ☐ ☐ ☐ ☐ ☐ ☐ 170 Automatic transmission oil change.
- ☐ ☐ ☐ ☐ ☐ ☐ Filter Replacement or Cleaning
- ☐ ☐ ☐ ☐ ☐ ☐ 174 Automatic transmission: replace filter element.
- ☐ ☐ ☐ ☐ ☐ ☐ 202 Air filter element: replace.
- ☐ ☐ ☐ ☐ ☐ ☐ 847 Fuel filter: replace filter
- ☐ ☐ ☐ ☐ ☐ ☐ 845 Fuel main filter: Replace filter element and filter housing.

240D-300D-300CD  
230  
280E-280CE  
280 SE  
450-All  
6.9

- ☐ ☐ ☐ ☐ ☐ ☐ 844 Fuel pre-filter: check
- ☐ ☐ ☐ ☐ ☐ ☐ 813 Check throttle control linkage.
- ☐ ☐ ☐ ☐ ☐ ☐ Lubrication
- ☐ ☐ ☐ ☐ ☐ ☐ 388 Front wheel grease caps: clean and refill with new grease.
- ☐ ☐ ☐ ☐ ☐ ☐ 631 Repack front wheel bearings; check roller bearings.

(continued)

(continued)

**Maintenance: Additional Maintenance Work to be Performed  
Every 37,500 Miles:**

240D-300D-300CD

230

280E-280CE

280 SE

450-All

6.9

☐ ☐ ☐ ☐ ☐ ☐
☐ ☐
☐
**Tightening of Nuts and Bolts**

 871 Intake and exhaust manifold nuts  
and exhaust flange bolts.

Exhaust pipe flange only.

876 Carburetor mounting flange screws.

**Checking**
☐

 501 Check clutch lining thickness  
(manual transmission only).  
(240 D only).

☐ ☐ ☐ ☐ ☐ ☐

625 Check front wheel toe-in.

☐ ☐ ☐ ☐ ☐ ☐

 030 Check propeller shaft joint discs  
for wear or damage.

☐

 628 Check pressure reservoirs of  
hydropneumatic springs.

☐ ☐

 767 Replace catalyst, Engine M110  
at 37,500 miles (California version only)  
and sometime after 50,000 miles,  
if required.

Date \_\_\_\_\_

Service Manager (Signature) \_\_\_\_\_